

## CLAIMS

- 3        1. A method for informing a client of a peripheral address, by way of a peripheral server, the  
4        method comprising:  
5            receiving a first message at the peripheral server, wherein the first message contains  
6            an address of the client;  
7            generating a second message containing the peripheral address; and  
8            sending the second message to the client address.  
9  
10      2. The method of claim 1 wherein the peripheral is a printer, and the peripheral server is a  
11      print server comprising a print queue.  
12  
13      3. The method of claim 1 wherein the first message is a print job.  
14  
15      4. The method of claim 3 further comprising:  
16            spooling the print job to the printer.  
17  
18      5. The method of claim 3 wherein the print job contains a PML object.  
19  
20      6. The method of claim 5 wherein the generating step comprises:  
21            parsing the print job;  
22            setting the PML object to contain the address of the client;  
23            sending a trap request to an interface device;  
24            receiving the trap request at the interface device; and  
25            parsing the PML object to find the address of the client.  
26  
27      7. The method of claim 5 wherein the PML object is UI\_SELECT\_OPTION.  
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29      8. The method of claim 1 wherein the second message is a UDP datagram.  
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1       9. The method of claim 1 wherein the second message is generated directly by the  
2 peripheral.

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4       10. The method of claim 1 wherein the second message is generated by an interface device,  
5 wherein the interface device is connected between the peripheral server and peripheral.

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7       11. The method of claim 1 further comprising:

8              forwarding the first message to the peripheral, wherein the peripheral is connected to  
9 the peripheral server.

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11       12. The method of claim 1 wherein the peripheral is a multi-function peripheral.

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13       13. The method of claim 1 wherein the multi-function peripheral comprises at least two  
14 capabilities selected from the group consisting of printing, scanning, copying and facsimile.

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16       14. A method for a client to discover a peripheral address, by way of a peripheral server, the  
17 method comprising:

18              sending a first message to the peripheral server, wherein the first message contains an  
19 address of the client; and

20              receiving at the client a second message containing the peripheral address.

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22       15. The method of claim 14 wherein the peripheral is a printer, the peripheral server is a  
23 print server comprising a print queue, and the first message is a print job.

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25       16. An apparatus comprising:

26              a client computer;

27              a peripheral server, connected to the client computer, wherein the peripheral server  
28 receives a first message from the client computer, the first message containing an address of  
29 the client computer; and

30              a peripheral, connected to the peripheral server, wherein the peripheral receives the  
31 first message and notifies the client computer of the peripheral's address.

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3     **17.** The apparatus of claim 16 further comprising:  
4                 an interface, connected between the peripheral server and the peripheral, wherein the  
5                 interface generates a message to the client computer, the message notifying the client  
6                 computer of the peripheral's address.  
7  
8     **18.** The apparatus of claim 16 wherein the peripheral server comprises a print queue.  
9  
10    **19.** The apparatus of claim 16 wherein the peripheral is a multi-function peripheral.  
11  
12    **20.** The method of claim 19 wherein the multi-function peripheral comprises at least two  
13                 capabilities selected from the group consisting of printing, scanning, copying and facsimile.  
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